

**Filling fibrous electrode formers with active paste - using moulding process with the application of isostatic pressure**

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**Abstract**

A process is disclosed for filling fibrous structure electrode formers for accumulators, which are fitted with current leads, with a flowable active paste under the effect of pressure. The process comprises 1) introducing the electrode former plus an amt. of active paste corresp. to the former's pore volume into a press mould with a flat base and with prismatic or cylindrical sidewalls corresp. to the outline of the electrode former; 2) slowly inserting a sealed moulding plug with a flat end face into the press mould from the open face, down to a mechanically predetermined distance between the end face of the moulding plug and the base of the mould; wherein 3) the active paste is uniformly pressed into the pores of the fibre-structure electrode former by means of isostatic pressure acting uniformly over the whole volume of the electrode former, and the electrode former is simultaneously sized w.r.t. its wall thickness.

ADVANTAGE - The process makes it possible to mfr. a filled, fibrous accumulator electrode structure in one process step, compared with several steps required hitherto (sizing, filling, cleaning, and further sizing). The electrode structure has a constant thickness and good quality surface finish.

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